

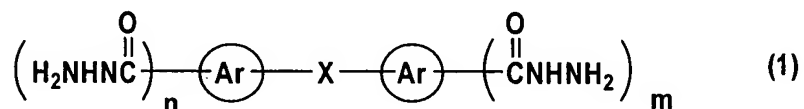
CLAIMS

1. A polyacetal resin composition comprising a polyacetal resin and a carboxylic acid hydrazide, wherein  
5 the carboxylic acid hydrazide comprises a polycyclic aromatic carboxylic acid hydrazide or a polycyclic aromatic carboxylic acid hydrazide having a substituent.

2. A resin composition according to claim 1, wherein the carboxylic acid hydrazide comprises at least  
10 one member selected from the group consisting of the followings:

(i) a condensed polycyclic aromatic carboxylic acid hydrazide;

(ii) a polyarylcарboxylic acid hydrazide  
15 represented by the following formula (1):



wherein Ar represents an aromatic hydrocarbon ring; X represents a single bond, an alkylene group, a (thio)ether group, a carbonyl group, a sulfoxide group, a sulfone group,  
20 or a bivalent aromatic group; "m" denotes an integer of 1 to 4; and "n" denotes an integer of 0 to 4; and

(iii) an oxycarboxylic acid hydrazide corresponding to the each of said hydrazides (i) and (ii).

3. A resin composition according to claim 1,  
25 wherein the carboxylic acid hydrazide comprises at least one member selected from the group consisting of (i) a

condensed polycyclic C<sub>10-40</sub>arene-carboxylic acid hydrazide; (ii) a bisC<sub>6-14</sub>aryl-carboxylic acid hydrazide represented by the formula (1), in which X is a single bond, a straight or branched chain C<sub>1-10</sub>alkylene group, a  
5 (thio)ether group, a carbonyl group, a sulfoxide group, or a sulfone group; and (iii) an oxycarboxylic acid hydrazide corresponding to each of said hydrazides (i) and (ii).

4. A resin composition according to claim 1, wherein the proportion of the carboxylic acid hydrazide  
10 is 0.001 to 20 parts by weight relative to 100 parts by weight of the polyacetal resin.

5. A resin composition according to claim 1, which further comprises at least one member selected from the group consisting of an antioxidant, a heat stabilizer, a  
15 processing stabilizer, a weather (light)-resistant stabilizer, an impact resistance improver, a slip-improving agent, a coloring agent, and a filler.

6. A resin composition according to claim 5, wherein the antioxidant, the processing stabilizer, the  
20 heat stabilizer, and the weather (light)-resistant stabilizer are substantially free from an intramolecular ester bond.

7. A resin composition according to claim 5, wherein the antioxidant comprises at least one member  
25 selected from the group consisting of a hindered phenol-series compound and a hindered amine-series compound.

8. A resin composition according to claim 5,  
wherein the processing stabilizer comprises at least one  
member selected from the group consisting of a higher fatty  
acid or a derivative thereof, a polyoxyalkylene glycol,  
5 and a silicone-series compound.

9. A resin composition according to claim 5,  
wherein the heat stabilizer comprises at least one member  
selected from the group consisting of a basic  
nitrogen-containing compound, a phosphine-series compound,  
10 a metal salt of an organic carboxylic acid, an alkali or  
alkaline earth metal compound, a hydrotalcite, and a zeolite.

10. A resin composition according to claim 5,  
wherein the heat stabilizer comprises at least one member  
selected from the group consisting of an alkaline earth  
15 metal salt of an organic carboxylic acid, and an alkaline  
earth metal oxide.

11. A resin composition according to claim 5,  
wherein the heat stabilizer comprises an alkaline earth  
metal salt of a hydroxy acid.

20 12. A resin composition according to claim 5,  
wherein the weather (light)-resistant stabilizer comprises  
at least one member selected from the group consisting of  
a benzotriazole-series compound, a benzophenone-series  
compound, an aromatic benzoate-series compound, a  
25 cyanoacrylate-series compound, a oxalic anilide-series  
compound, and a hydroxyaryl-1,3,5-triazine-series  
compound.

13. A resin composition according to claim 5,  
wherein the impact resistance improver comprises at least  
one member selected from the group consisting of a  
thermoplastic polyurethane and an acrylic core-shell  
5 polymer.

14. A resin composition according to claim 5,  
wherein the slip-improving agent comprises at least one  
member selected from the group consisting of an olefinic  
polymer, a silicone-series resin, and a fluorine-containing  
10 resin.

15. A process for producing a polyacetal resin  
composition, which comprises melting and mixing a polyacetal  
resin with a polycyclic aromatic carboxylic acid hydrazide  
or a polycyclic aromatic carboxylic acid hydrazide having  
15 a substituent with the use of an extruder, wherein at least  
the polycyclic aromatic carboxylic acid hydrazide is fed  
from a side feed port of the extruder and mixed with the  
polyacetal resin.

16. A shaped article formed from a polyacetal resin  
20 composition recited in claim 1.

17. A shaped article according to claim 16, wherein  
(1) the emission of formaldehyde from the shaped article  
which is maintained in a closed space for 24 hours at a  
temperature of 80°C is not more than 1.0  $\mu\text{g}$  per one  $\text{cm}^2$  of  
25 the surface area of the article, and/or (2) the emission  
of formaldehyde from the shaped article which is maintained  
in a closed space for 3 hours at a temperature of 60°C under

saturated humidity is not more than  $1.2 \mu\text{g}$  per one  $\text{cm}^2$  of the surface area of the article.

18. A shaped article according to claim 16, which is an automotive part, an electric or electronic device part, an architectural or pipeline part, a household utensil  
5 or cosmetic article part, or a medical device part.